October 24th, 2008

NVL LABS
HAZARDOUS MATERIALS SERVICES

MANAGEMENT | TRAINING | LAB SERVICES
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Ms. Katea Kinahoi
King County Building Services
500 4th Avenue, Room 320
Seattle, WA 98104
NVL Project #2008-549

Subject: **Lead(Pb), Barium(Ba) and Chromium(Cr) Waste Characterization (TCLP) Sampling, 7277 Perimeter Road, Seattle, WA 98108**

Dear Ms. Kinahoi,

Per your request, NVL Laboratories personnel visited the above mentioned site and collected a sample for the Toxicity Characteristic Leaching Procedures (TCLP) testing to determine the Leachable Lead (Pb) content. This sampling was conducted on October 14th, 2008.

Per your follow-up request, NVL Laboratories personnel re-submitted the same TCLP sample to also include the analysis of Barium (Ba) and Chromium (Cr) to determine the Leachable content of those two elements.

A representative composite sample of the proportionate components which make up the exterior of the structure was collected and analyzed according to ASTM Standard E 1908-97, as suggested by the Washington State Department of Ecology. Waste Characterization Plan number three of this standard, "Composite Sample and Demolish", was used to access the lead (Pb), barium (Ba) and chromium (Ca) content of the total debris.

The Toxicity Characteristic Leachate Procedure (TCLP) for this project determines the potential for construction debris to leach lead (Pb), barium (Ba) and chromium (Ca) into the groundwater. A material "fails" the TCLP when there is 5.0 parts per million, 100.0 parts per million, or 5.0 parts per million respectively.

TCLP Result

Sample #	Sample Location	Contaminant	Results in ppm	D.O.E. Dangerous Waste Limit (ppm)
2008-549-TCLP-1	Exterior of 7277 Perimeter Rd. S., Seattle, WA	Lead (Pb)	1.1	5.0
		Barium (Ba)	0.7	100.0
		Chromium (Cr)	< 0.1	5.0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

NVL LABS

The solid waste stream for this structure is to be considered regular demolition debris.

We appreciate the opportunity to provide this service. Please see attached laboratory report.

Sincerely,
NVL Laboratories, Inc.

Antonio Herrera
Project Manager

Reviewed by

Syed Hasan
Manager Field Services

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765
AIHA ACCREDITED LABORATORY

Toxicity Characteristic Leaching Procedure - Lead (Pb)

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Syed Hasan
Project Location: 7277 Perimeter Rd. S.
Seattle, WA 98108

Batch #: 2813102.00
Matrix: Bulk
Method: EPA 1311/7000B
Client Project #: 2008-549
Date Received: 10/14/2008
Samples Received: 1
Samples Analyzed: 1

Lab ID	Client Sample #	RL mg/ L	Results in mg/L	Results in ppm
28083526	2008-549-TCLP	0.4	1.1	1.1

Sampled by: Client
Analyzed by: Tanveer Khan
Reviewed by: Nick Ly

Date Analyzed: 10/16/2008
Date Issued: 10/16/2008

Nick Ly, Technical Director

mg/ L =Milligrams per liter
ppm = parts per million

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 28-1015-4

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CHAIN of CUSTODY SAMPLE LOG

BATCH ID
2813102.00

Client: NVL Laboratories Inc
Street: 4708 Aurora Ave N
Seattle, WA 98103
Project Manager: Syed Hasan
Project Location: 7277 Perimeter Rd. S.
Seattle, WA 98108
Phone: (206) 205-9688 Fax: (206) 205-0971

NVL Batch Number:
Client Job Number: 2008-549
Total Samples: 1
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☒ 2 Days ☐ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: katea.kinahoi@kingcounty.gov
Cell (206) 391-0884

☐ Asbestos Air ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other

☐ Asbestos Bulk ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK

☐ Mold/Fungus ☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☒ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cn	☐ Cadmium (Cd)	☒ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify) _____

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2008-549-TCLP	Concrete 20%	
2			Brick/Mortar 80%	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	[illegible]	[signature]	NVL	10/14/08	9:00
Relinquished by		[signature]	NVL	10/14/08	10:20
Received by	Kiandra Avonne	[signature]	NVL	10/14/08	1020
Analyzed by	TANVEER KHAN	Tanveer Khan	NVL	10/16/08	9:15 AM
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Results report to [signature]

KCSlip4 62331
SEA430493

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

Toxicity Characteristic Leaching Procedure

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Syed Hasan
Project Location: 7277 Perimeter Rd. S.
Seattle, WA 98108

Batch #: 2813479.00
Matrix: Bulk
Method: EPA 1311/6010
Client Project #: 2008-549
Date Received: 10/23/2008
Samples Received: 1
Samples Analyzed: 1

Lab ID	Client Sample #	Elements	RL in mg / L	Results in mg / L	Results in ppm
28085855	549-TCLP-2	Barium (Ba)	0.10	0.7	0.7
		Chromium (Cr)	0.10	< 0.1	< 0.1

Sampled by: Client
Analyzed by: Michael Dougherty
Reviewed by: Nick Ly

Date Analyzed: 10/23/2008
Date Issued: 10/23/2008

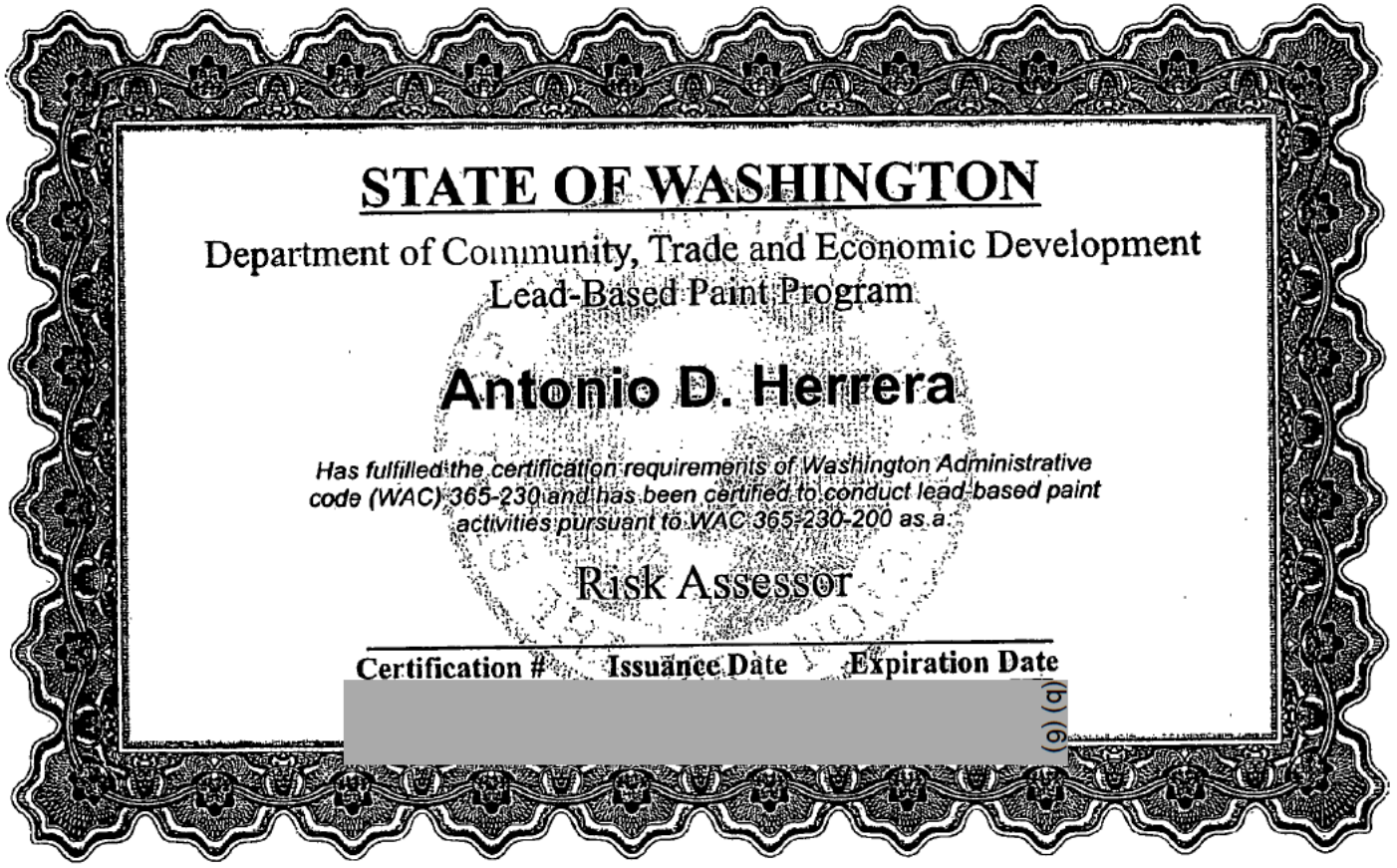
Nick Ly, Technical Director

mg/ L = Milligrams per liter
N/A = Not Applicable

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 28-1023-04



STATE OF WASHINGTON

Department of Community, Trade and Economic Development
Lead-Based Paint Program

Antonio D. Herrera

Has fulfilled the certification requirements of Washington Administrative code (WAC) 365-230 and has been certified to conduct lead based paint activities pursuant to WAC 365-230-200 as a:

Risk Assessor

Certification #	Issuance Date	Expiration Date
[redacted]		

(b) (6)

The American Industrial Hygiene Association

CELEBRATING 30 Thirty Years of AIHA Accrediting Labs
SOUND DATA SMART DECISIONS
1974 – 2004

acknowledges that

NVL Laboratories, Inc.

4708 Aurora Avenue North, Seattle, WA 98103
Laboratory ID: 101861

has fulfilled the requirements of the AIHA Laboratory Quality Assurance Programs (LQAP), thereby, conforming to the ISO/IEC 17025:1999 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA in the following:

ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: 07/01/2008
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: 07/01/2008
☐	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires:
☐	**FOOD**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation.** Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached **Scope of Accreditation.**

David Kahane

David Kahane, CIH
Chairperson, Analytical Accreditation Board

Frank M. Renshaw

Frank M. Renshaw, PhD, CIH, CSP
President, AIHA

Date Issued: 08/09/2006

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LABORATORY QUALITY ASSURANCE PROGRAMS

AIHA
Your Essential Connection: Advancing Occupational and Environmental Health and Safety Globally
2700 Prosperity Ave., Suite 250, Fairfax, VA 22031 U.S.A.
(703) 849-8888; Fax (703) 207-3561; www.aiha.org

AIHA Laboratory Quality Assurance Programs
SCOPE OF ACCREDITATION

NVL Laboratories, Inc.
4708 Aurora Avenue North, Seattle, WA 98103

Laboratory ID: 101861
Issue Date: 08/09/2006

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA website at:
http://www.aiha.org/Content/LQAP/accred/AccreditedLabs.htm

The EPA recognizes the AIHA ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 02/07/1997

Field of Testing (FoT)	Method	Method Description *(for internal methods only)*
Airborne Dust	NIOSH 7082	
Paint	EPA SW-846 7000B	
Settled Dust by Wipe	EPA SW-846 7000B	
Soil	EPA SW-846 7000B	

The laboratory participates in the following AIHA testing programs:

- ✓ Paint
- ✓ Soil
- ✓ Airborne Dust
- ✓ Settled Dust by Wipe